REVERSE-OPERATION AIR PURIFICATION SYSTEM FOR PURIFYING AIR THAT IS INTRODUCED INTO HERMETICALLY SEALED SPACES, IN PARTICULAR FOR DRIVER'S CABS OF MOTOR VEHICLES

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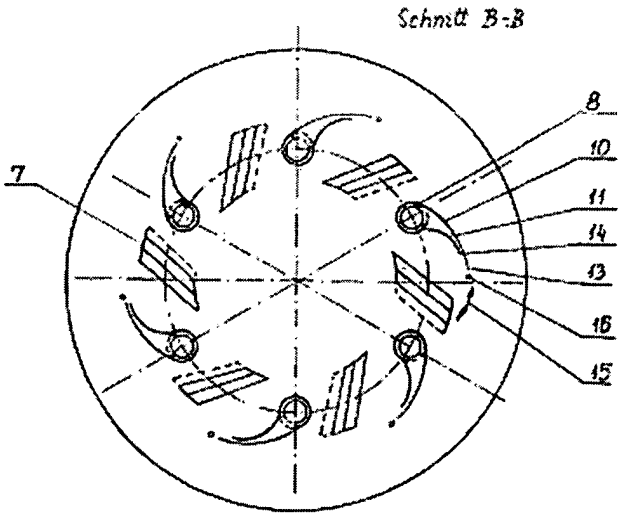
The invention relates to a reverse-operation air-purification system for purifying air that is introduced into hermetically sealed spaces, in particular for driver's cabs of motor vehicles. According to the invention, electrodes with an arched cross-section, whose entire surfaces form universal cylinders, are provided alternately with a positive and negative charge and arranged at a distance from one another that is identical to their distance from the axis (2) of the system, in a preferably cylindrical housing (1). The invention is characterised in that the electrodes (9) are hollow and are fixed by their inlets to a separation plate (5), in such a way that the cores of the arched cross-sections of the electrodes (9) cover the orifices (6) of the separation plate (5) that admit the air. In addition, the electrode (9) is open by means of a gap (12) configured in the vicinity of the arched cross-section along the entire length of its outer surface. One lateral wall (10) of the hollow electrode (9) is elongated after the gap (12) and terminates in one edge (13), to which the wire-type emitting electrode (16), preferably with a circular cross-section, is allocated with an air gap.



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